

## Between Series Adaptor 33\_MFBX-SMA-50-1/111\_N

### Description

Adaptor plug/jack  
MFBX plug (male) / SMA jack (female)

Interface standards  
Series MFBX - HUBER+SUHNER MFBX  
Series SMA - IEC 60169-15\_MIL-STD-348A/310\_CECC 22110



### Technical Data

#### Electrical Data

Impedance	50 $\Omega$
Interface frequency max.	6 GHz
Frequency range	DC to 3.5 GHz
Return loss	$\geq 27$ dB

#### Mechanical Data

Number of matings	500
Weight	0.0025 kg

#### Environmental Data

Operating temperature	-55 °C to 155 °C
2011/65/EU (RoHS - including 2015/863 and 2017/2102)	compliant

#### Material Data

Interface - MFBX plug (male)

Piece Parts	Material	Surface Plating
Centre contact	Copper Beryllium Alloy	SUCOPRO Plating
Outer contact	Copper Beryllium Alloy	SUCOPRO Plating
Body	Copper Beryllium Alloy	SUCOPRO Plating
Insulator	PFA / PTFE	

Interface - SMA jack (female)

Piece Parts	Material	Surface Plating
Centre contact	Copper Beryllium Alloy	SUCOPRO Plating
Outer contact	Copper Beryllium Alloy	SUCOPRO Plating
Body	Copper Beryllium Alloy	SUCOPRO Plating
Insulator	PFA / PTFE	

### Related Documents

Outline drawing	DOU-00231653
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### Ordering Information

Single package	33_MFBX-SMA-50-1/111_NE
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### Remarks

Measuring adapter must only used with standard snap and slide connectors. Snap PCB connectors with specific barrel tilt limitations (dimension top of body to reference line  $>2.7$ mm) must use 33\_MFBX-SMA-50-2.

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